

**E1003, E2020, and
E2100
Fixed Camera Ceiling
Enclosure Indexers**

**Installation/
Operation Manual**

C405M-B (8/99)

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REVISION HISTORY

<u>Manual #</u>	<u>Date</u>	<u>Comments</u>
C405M	5/89	Original version.
C405M-A	11/89	Replaced Indexer E2001 with E2100.
C405M-B	8/98	Added Indexer E2020 and revised manual to new format.
	8/99	Added certifications for the E2020.

1.0 GENERAL

1.1 IMPORTANT SAFEGUARDS AND WARNINGS

Prior to installation and use of this product, the following WARNINGS should be observed.

1. Installation and servicing should only be done by qualified service personnel and conform to all local codes.
2. Unless the unit is specifically marked as a NEMA Type 3, 3R, 3S, 4, 4X, 6 or 6P enclosure, it is designed for indoor use only and it must not be installed where exposed to rain and moisture.
3. Only use replacement parts recommended by Pelco.
4. The installation method and materials should be capable to supporting four times the weight of the enclosure, pan/tilt, camera and lens combination.

Please thoroughly familiarize yourself with the information in this manual prior to installation and operation.

1.2 UNPACKING INSTRUCTIONS

Unpack and inspect all parts carefully.

The following items are supplied:

- | | |
|---|---------------------------------------|
| 1 | Indexer assembly |
| 8 | 10-32 x 1-inch screws (E1003 only) |
| 4 | 8-32 x 3/4-inch screws (E2020 only) |
| 6 | 8-32 x 1-inch screws (E2100 only) |
| 8 | Nylon spacers (E1003 only) |
| 1 | C405M-B Installation/Operation Manual |

Be sure to save the shipping carton, boxes and inserts. They are the safest material in which to make future shipments.

If an item appears to have been damaged in shipment, replace it properly in its box and contact the factory at 1-800-289-9100 or 1-559-292-1981 for a replacement. (International customers fax 1-559-348-1120 for authorization and instructions.)

If an item needs to be returned to the factory for repair, consult the WARRANTY AND RETURN section of this manual for instructions.

1.3 RECOMMENDED TOOLS

Pelco does not supply the basic tools needed for the installation process. The following tools are recommended:

Phillips screwdriver

1.4 CERTIFICATIONS

E2020	cUL, UL
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2.0 DESCRIPTION

The E1003, E2020, and E2100 indexers have a circular mounting plate which accommodates the enclosure and allows it to be positioned in 10-degree increments to change the viewing area.

The indexers are designed for use with fixed camera ceiling enclosures; the E1003 for use with the EH1000/ED1000 enclosures, the E2020 with the EH2020 enclosure, and the E2100 with the EH2100 enclosure. All indexers can be mounted in a 2' x 2' or 2' x 4' ceiling tile.

3.0 INSTALLATION

3.1 E1003 ASSEMBLY AND INSTALLATION

NOTE: *The instructions provided are for installation in a 2' x 2' ceiling tile. If mounting in a 2' x 4' ceiling tile, you will need to cut the ceiling tile in half and install an additional "T" rail for support.*

To assemble the EH1000 or ED1000 ceiling enclosure in the E1003 indexer, perform the following steps (refer to Figure 1):

1. Place the indexer assembly (items 1 and 2) on a flat surface with the painted surface up.
2. Open the enclosure lid (EH1000 or ED1000) and insert the enclosure back box into the rectangular opening.
3. Position the spacers (item 3) provided between the mounting flange of the enclosure and the round plate of the indexer, aligning them with the eight mounting holes.
4. Secure the enclosure to the indexer with the screws (item 4) provided, making sure the screws pass through the spacers. Tighten the hardware.
5. Mount the enclosure into the 2' x 2' opening in the ceiling.
6. Refer to the enclosure manual for final installation instructions.

3.2 E2020 ASSEMBLY AND INSTALLATION

To assemble the EH2020 enclosure into the E2020 indexer, perform the following steps (refer to Figure 2):

1. Place the indexer assembly (items 1 and 2) on a flat surface with the painted surface up.
2. Open the enclosure lid and insert the enclosure back box into the rectangular opening.
3. Align the holes in the enclosure flanges with the mounting holes of the round indexing plate.
4. Secure the enclosure to the indexer with the screws (item 4) provided. Tighten the hardware.
5. Mount the enclosure into the 2' x 2' opening in the ceiling.
6. Refer to the enclosure manual for final installation instructions.

3.3 E2100 ASSEMBLY AND INSTALLATION

To assemble the EH2100 enclosure into the E2100 indexer, perform the following steps (refer to Figure 3):

1. Place the indexer assembly (items 1 and 2) on a flat surface with the painted surface up.
2. Open the enclosure lid and insert the enclosure back box into the rectangular opening.
3. Align the holes in the enclosure flanges with the mounting holes of the round indexing plate.
4. Secure the enclosure to the indexer with the screws (item 4) provided. Tighten the hardware.
5. Mount the enclosure into the 2' x 2' opening in the ceiling.
6. Refer to the enclosure manual for final installation instructions.

4.0 EXPLODED ASSEMBLY DRAWINGS

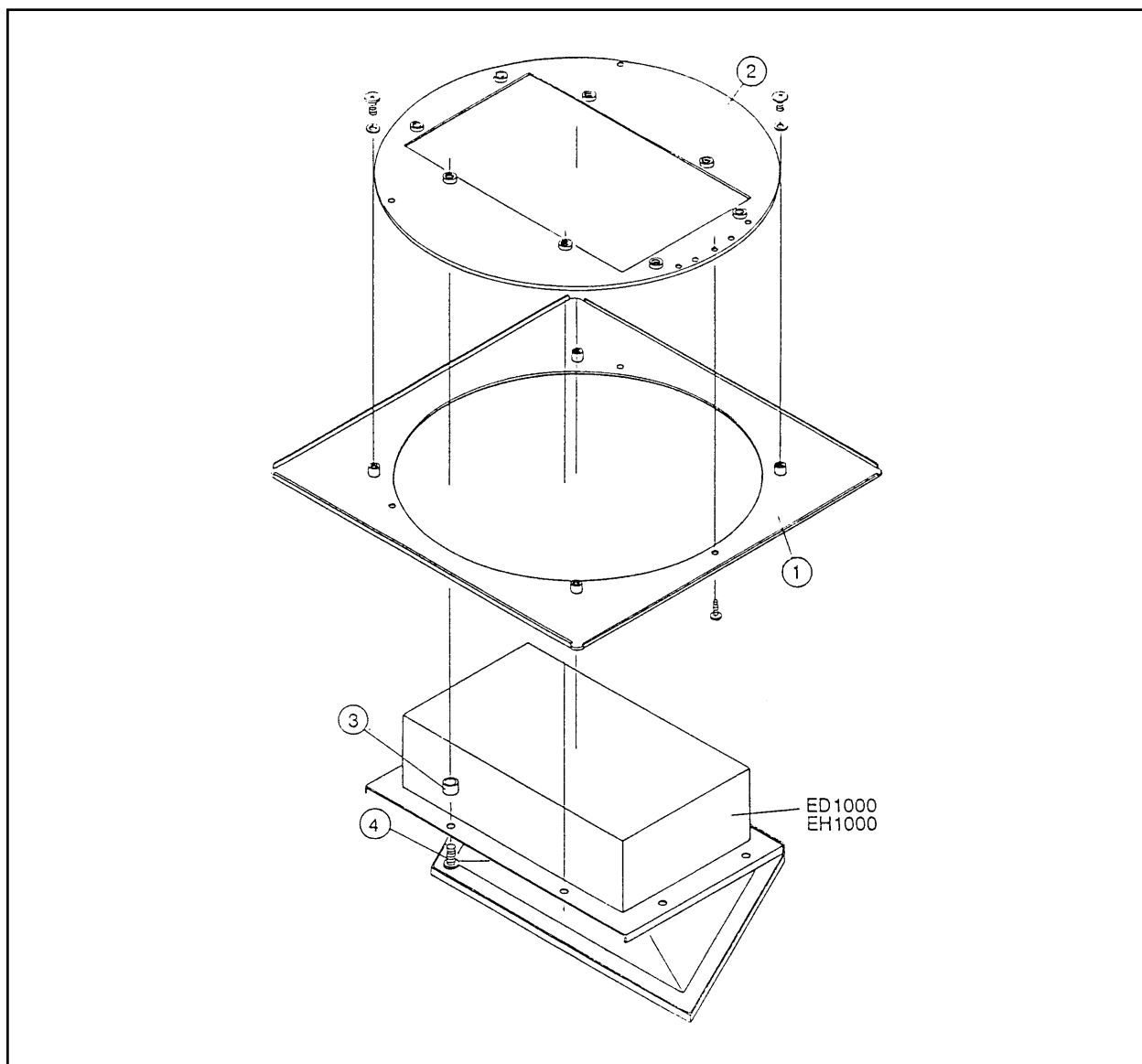


Figure 1. E1003 Exploded Assembly Drawing

Table A. E1003 Exploded Assembly Parts List

Item	Quantity	Description	Part Number
1	1	Ceiling adapter plate	E10034000COMP
2	1	Indexing plate	E10034001COMP
3	8	Nylon spacer, 5/16" OD x .250	SPA4069C
4	8	Screw, 10-32 x 1" pan head, Phillips	ZH10-32X1.00SPP

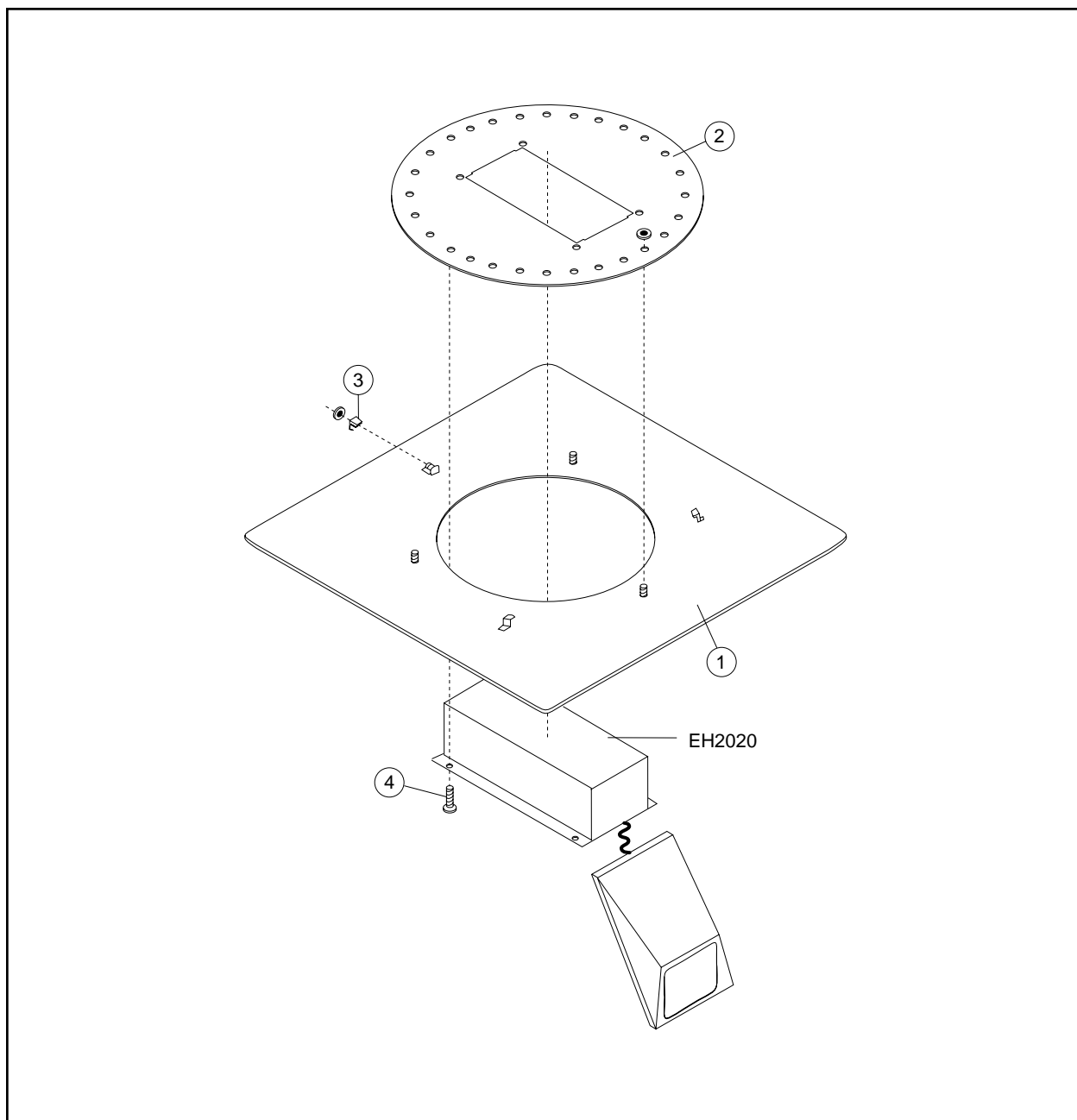


Figure 2. E2020 Exploded Assembly Drawing

Table B. E2020 Exploded Assembly Parts List

Item	Quantity	Description	Part Number
1	1	Ceiling adapter plate	E20101000WA
2	1	Indexing plate	E20204000COMP
3	1	Half top retainer bracket	E20014004COMP
4	4	Screw, 8-32 x 3/4" pan head, Phillips	ZH8-32X.750SPP

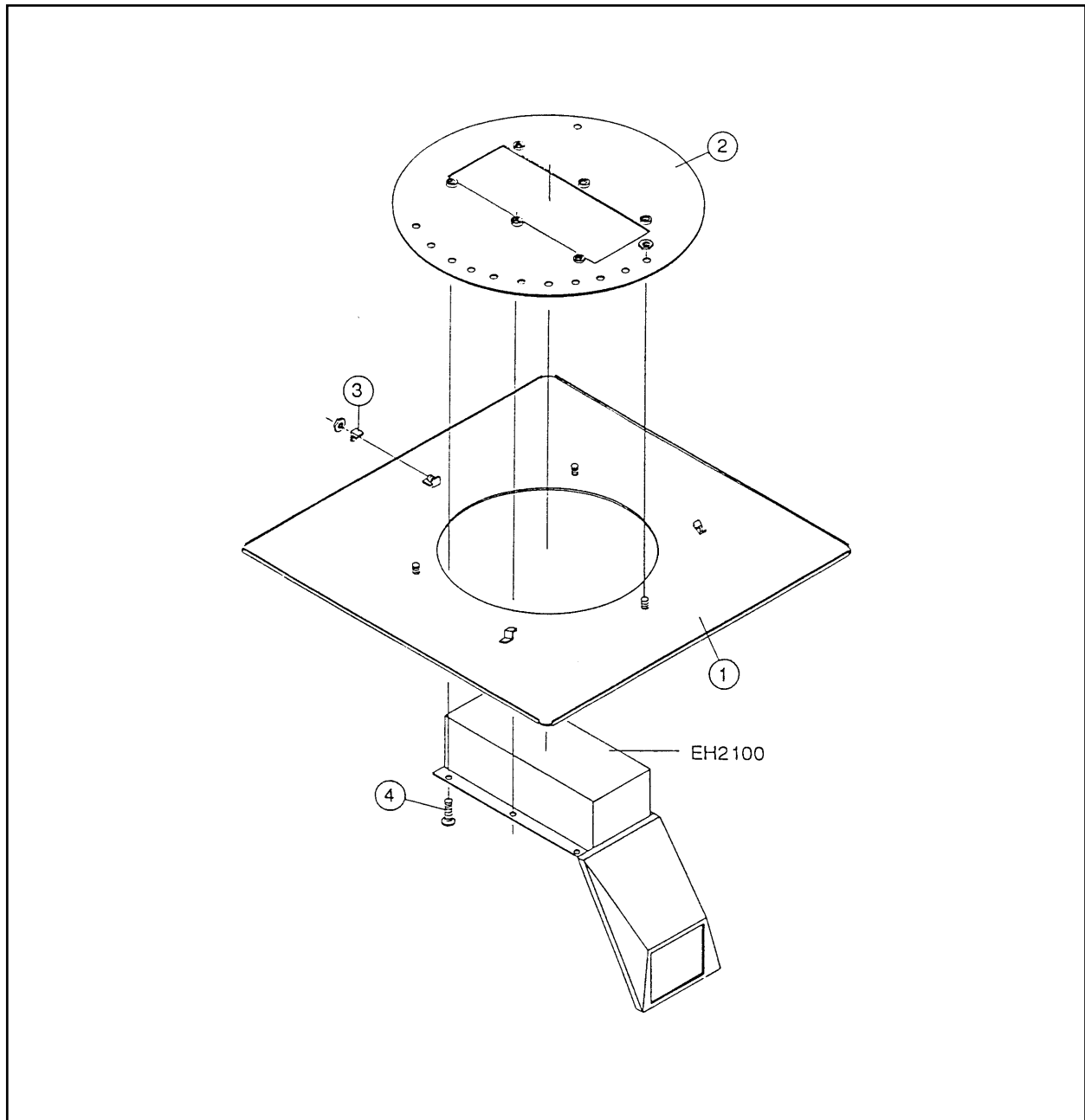


Figure 3. E2100 Exploded Assembly Drawing

Table C. E2100 Exploded Assembly Parts List

Item	Quantity	Description	Part Number
1	1	Ceiling adapter plate	E20101000WA
2	1	Indexing plate	E20104001COMP
3	1	Half top retainer bracket	E20014004COMP
4	6	Screw, 8-32 x 1" pan head, Phillips	ZH8-32X1.00SPP

5.0 WARRANTY AND RETURN INFORMATION

WARRANTY

Pelco will repair or replace, without charge, any merchandise proved defective in material or workmanship for a period of one year after the date of shipment.

Exceptions to this warranty are as noted below:

- Five years on FT/FR8000 Series fiber optic products.
- Three years on Genex® Series products (multiplexers, server, and keyboard).
- Three years on Camclosure® and fixed camera models, except the CC3701H-2, CC3701H-2X, CC3751H-2, CC3651H-2X, MC3651H-2, and CC3651H-2X camera models, which have a five-year warranty.
- Two years on standard motorized or fixed focal length lenses.
- Two years on Legacy®, CM6700/CM6800/CM9700 Series matrix, and DF5/DF8 Series fixed dome products.
- Two years on Spectra®, Esprit®, ExSite™, and PS20 Scanners, including when used in continuous motion applications.
- Two years on Esprit® and WW5700 Series window wiper (excluding wiper blades).
- Eighteen months on DX Series digital video recorders, NVR300 Series network video recorders, and Endura™ Series distributed network-based video products. months on DX Series digital video recorders, NVR300 Series network video recorders, Endura™ Series distributed network-based video products, and TW3000 Series twisted pair transmission products.
- One year (except video heads) on video cassette recorders (VCRs). Video heads will be covered for a period of six months.
- Six months on all pan and tilts, scanners or preset lenses used in continuous motion applications (that is, preset scan, tour and auto scan modes).

Pelco will warrant all replacement parts and repairs for 90 days from the date of Pelco shipment. All goods requiring warranty repair shall be sent freight prepaid to Pelco, Clovis, California. Repairs made necessary by reason of misuse, alteration, normal wear, or accident are not covered under this warranty.

Pelco assumes no risk and shall be subject to no liability for damages or loss resulting from the specific use or application made of the Products. Pelco's liability for any claim, whether based on breach of contract, negligence, infringement of any rights of any party or product liability, relating to the Products shall not exceed the price paid by the Dealer to Pelco for such Products. In no event will Pelco be liable for any special, incidental or consequential damages (including loss of use, loss of profit and claims of third parties) however caused, whether by the negligence of Pelco or otherwise.

The above warranty provides the Dealer with specific legal rights. The Dealer may also have additional rights, which are subject to variation from state to state.

If a warranty repair is required, the Dealer must contact Pelco at (800) 289-9100 or (559) 292-1981 to obtain a Repair Authorization number (RA), and provide the following information:

1. Model and serial number
2. Date of shipment, P.O. number, Sales Order number, or Pelco invoice number
3. Details of the defect or problem

If there is a dispute regarding the warranty of a product which does not fall under the warranty conditions stated above, please include a written explanation with the product when returned.

Method of return shipment shall be the same or equal to the method by which the item was received by Pelco.

RETURNS

In order to expedite parts returned to the factory for repair or credit, please call the factory at (800) 289-9100 or (559) 292-1981 to obtain an authorization number (CA number if returned for credit, and RA number if returned for repair).

All merchandise returned for credit may be subject to a 20% restocking and refurbishing charge.

Goods returned for repair or credit should be clearly identified with the assigned CA or RA number and freight should be prepaid. Ship to the appropriate address below.

If you are located within the continental U.S., Alaska, Hawaii or Puerto Rico, send goods to:

Service Department
Pelco
3500 Pelco Way
Clovis, CA 93612-5699

If you are located outside the continental U.S., Alaska, Hawaii or Puerto Rico and are instructed to return goods to the USA, you may do one of the following:

If the goods are to be sent by a COURIER SERVICE, send the goods to:

Pelco
3500 Pelco Way
Clovis, CA 93612-5699 USA

If the goods are to be sent by a FREIGHT FORWARDER, send the goods to:

Pelco c/o Expeditors
473 Eccles Avenue
South San Francisco, CA 94080 USA
Phone: 650-737-1700
Fax: 650-737-0933

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